



Higher Order Thinking Proficiencies and Recipes

CRITICAL THINKING p. 13		
Analyze p. 15	Evaluate p. 23	Problem-Solve p. 31
P = preview the whole situation A = Assess similarities and differences R = reorganize by these similarities and differences T = turn the analysis into a summary or synthesis	J = justify essential criteria U = use to weigh against the criteria D = decide how well the criteria are met G = gather the sum total E = express final judgment	S = select the problem O = opt for a strategy L = look for information V = verify facts and data needed E = express alternative and selected solutions
CREATIVE THINKING p. 39		
Generate p. 41	Associate p. 49	Hypothesize p. 57
F = first blast – call out a burst of ideas, connect to the topic L = long list – add more words by associating and piggybacking on ideas O = open mind – anything goes; defer judgment, go with the flow W = work with the best – select the best idea, target the one with the most potential	S = scan the list of ideas for associations P = play along with connections made A = allow anything R = review again for more related ideas K = keep the best for development	A = ask questions about the target idea or situation H = harbor conscious connections A = announce the hunch, and try to confirm
COMPLEX THINKING p. 65		
Clarify p. 67	Interpret p. 75	Determine p. 83
S = seek the meaning of words and phrases E = express these in your own words E = expose the essence of the idea in the simplest terms	X (ex) = <u>E</u> xamine and <u>e</u> xpress the gist R = rank key words and phrases A = account for tenor and tone Y = yield a personal opinion or interpretation	N = note key points O = observe options T = think it through and identify possibilities E = express personal choice
COMPREHENSIVE THINKING p. 89		
Understand p. 91	Infer p. 99	Compare and Contrast p. 107
G = get the big idea, main idea, or theme I = identify details to support the main idea S = say it in your own words T = test by creating a summary	I = investigate the facts N = note all details F = find the common thread E = explain the connections R = reach your conclusion	A = account for literal similarities & differences L = look again; don't miss the obvious I = investigate the hidden details of likeness and difference K = know the categories E = express in alternating or dual descriptions
COLLABORATIVE THINKING p. 115		
Explain p. 117	Develop p. 125	Decide p. 131
T = tell the big idea E = express supporting statements L = look for more details L = listen for questions and respond	M = meet to discuss the issue A = ask questions K = kick ideas around E = express the goal and plan	K = know all the options N = note the pluses/minuses, pros/cons O = outline probable, possible, and preferable solutions W = welcome a decision, and celebrate

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COMMUNICATIVE THINKING p. 137		
Reason p. 139	Connect p. 147	Represent p. 155
L = look at all the facts O = offer connecting details G = gather explanations I = identify the most sensible reason C = conclude and communicate	J = judge the new information for telling facts O = observe obvious connections I = identify patterns, and find a fit N = name the connection that makes sense	S = select the idea to represent H = hunt for significant elements O = organize elements to show meaning W = weed for accuracy and impact
COGNITIVE TRANSFER p. 161		
Synthesize p. 163	Generalize p. 173	Apply p. 181
B = begin with the big picture L = look at the elements E = extract the essence N = name the nuggets D = design a seamless image	T = take it all in with the first reading H = hone in on the key ideas of the piece E = extrapolate one big (prevailing) idea M = make a motto or slogan about the big idea E = express the theme statement	U = use it in a talk-through S = simulate it in a guided walk-through E = extend and employ the learning independently